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ABSTRACT

This monograph contains computer printout of a study in which patterns of cooperation among nations were analyzed according to social field theory. This theory maintains that international relations is a field which consists of all the attributes and interactions of nations, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. The monograph is part of a large scale research project undertaken to test various theories (attribute theory, distance theory, and relative status-field theory, in addition to social field theory) with regard to their ability to analyze international relations. All theories are tested on the World Event Interaction Survey (WEIS) conflict data for 1966 to 1969 which was created using the "New York Times" as a data source. In this monograph, second stage factor analysis is applied to the parameter weights for social field theory. All of the independent variables treated (economic development, population density, political stability, military power, health conditions, domestic violence, etc.) are factors--that is, composite indexes generated out of a number of related variables, using the technique of factor analysis. When social field theory is applied, each nation receives a negative or positive parameter weight on each predictive factor. The objective is to determine whether behavioral tendencies tend to cluster. For example, if a nation tends to export cooperation to other nations close below it in respect to economic development, does it also tend to do so in respect to power base? In addition to the computer printout, the document includes a bibliography and a table of contents of all monographs in the research study. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

PATTERNS OF COOPERATION: SOCIAL FIELD THEORY

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PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD-OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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NOTE: ALL MONOGRAPHS ON TAPE ARE SET UP TO PRINT ON A UNIVAC DOCUMENT PROCESSOR. SPECIAL PROGRAMS TO ASSIST IN PRINTING ON A DECWRITER II FOR UPPER AND LOWER CASE, DOUBLE SPACE, LENGTH ADJUSTED FOR THE DECWRITER AND WITH FOOTNOTE CAPABILITY, ARE CONTAINED IN MONOGRAPH 26. TABLES OR FIGURES THAT GO BEYOND 80 COLUMNS MAY BE FOLDED IF THE DOCUMENT PROCESSOR IS USED. IF THIS IS UNDESIRABLE, THEY CAN BE PRINTED BY OTHER STANDARD PRINT COMMANDS, SUCH AS AN EDITOR PROGRAM, WHICH CAN PRINT, WITHOUT FOLDING, TO 132 COLUMNS. ALSO, DOCUMENT COMMANDS ARE INVISIBLE IN THE COPY ONLY IF THE DOCUMENT PROCESSOR IS USED. IF OTHER PRINT COMMANDS ARE USED, THE DOCUMENT COMMANDS WILL BE VISIBLE, I.E., WILL APPEAR AS >DOUBLE>, >SPACE>, ETC. AND ARE LEFT JUSTIFIED. IF THEY ARE NOT NEEDED, THEY CAN BE IGNORED OR EDITED OUT. ALL MONOGRAPHS ARE IN MIXED UPPER AND LOWER CASE, EXCEPT MONOGRAPHS 19 AND 26, WHICH ARE IN UPPER CASE ONLY.

Attributes and National Behavior:

Modern International Relations Monograph Series

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PATTERNS OF COOPERATION: SOCIAL FIELD THEORY

BY: JACK E. VINCENT, FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLORIDA

THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS IN TERMS OF SIMILARITY OF MODEL AND ATTRIBUTE TYPE.

THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A FACTOR ANALYSIS ON THE WEIGHTS OF THE NATIONS ACROSS THE PREDICTOR DIMENSIONS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE FACTOR SCORES GENERATED FROM THE ANALYSIS OF THE WEIGHTS.

THESE MODES OF ANALYSIS WILL SHOW HOW CONFLICT EXPORT PATTERNS CLUSTER, HOW NATIONS ARE, IN FACT, LOCATED ON SUCH CLUSTERS AND REVEAL CHARACTERISTICS OF + VS. - WEIGHT NATIONS.

THE RESULTS FOLLOW:

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SOCIAL FIELD THEORY, COOPERATION

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

14 HIGH PER CAPITA SCHOOL ENROLLMENT, BELOW
.73
07 SMALL CHRISTIAN COMMUNITY, BELOW
.59
03 POLITICAL INSTABILITY, BELOW
.57
01 ECONOMIC DEVELOPMENT, BELOW
.50
11 FEW MILITARY PERSONNEL PER CAPITA, ABOVE
.81

THESE I'S ARE:

VARIABLE NUMBER 1

18 CHAD
3.03
16 CENTRAL AFRICAN REP

2.72

84 PORTUGAL

1.96

108 URUGUAY

1.70

98 TOGO

1.62

86 RWANDA

1.49

11 BURMA

1.39

32 EL SALVADOR

1.37

119 MALTA

1.36

23 CONGO (LEO)

1.33

89 SIERRA LEONE

1.30

44 HONDURAS

1.28

74 NICARAGUA

1.25

41 GUATEMALA

1.23

51 IRELAND

1.11

19 CHILE

1.11

102 UGANDA

1.04

12 BURUNDI

1.03

30 DOMINICAN REPUBLIC

1.03

122 KENYA

1.03

37 EAST GERMANY

1.02

2 ALBANIA

1.00

28 DAHOMEY

.95

14 CAMEROUN

.95

46 ICELAND

.95

55 JAMAICA

.95

64 LUXEMBOURG

.95

66 MALI

.95

80 PARAGUAY

.95

99 TRINIDAD

.95

107 UPPER VOLTA

.95

114 BOTSWANA

.95

117 LESOTHO

.95

123 W. SAMOA

.95

71 NEPAL

.95

22 CONGO (BRA)

.94

91 SOUTH AFRICA

.87

115 GAMBIA

.79

88 SENEGAL

.79

121 ZAMBIA

.73

109 VENEZUELA

.60

54 IVORY COAST

.54

9 BRAZIL

.54

33 ETHIOPIA

.48

100 TUNISIA

.47

8 BOLIVIA

.38

4 ARGENTINA

.30

39 GHANA

.27

93 SUDAN

.25

60 LAOS

.25

1 AFGHANISTAN

.23

95 SWITZERLAND

.19

38 WEST GERMANY

.18

90 SOMALIA

.16

118 MALAWI

.14

85 ROMANIA

.10

83 POLAND

.08

120 TANZANIA

.07

45 HUNGARY

.07

72 NETHERLANDS

.05

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL POWER BASE

SMALL POPULATION GROWTH RATE

LARGE CHRISTIAN COMMUNITY

FEW MILITARY PERSONEL PER CAPITA

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

14 HIGH PER CAPITA SCHOOL ENROLLMENT, ABOVE

.73

07 SMALL CHRISTIAN COMMUNITY, ABOVE

.59

03 POLITICAL INSTABILITY, ABOVE

.57

01 ECONOMIC DEVELOPMENT, ABOVE

.50

11 FEW MILITARY PERSONNEL PER CAPITA, BELOW

.81

THESE I'S ARE:

20 CHINA, PR

-.01

6 AUSTRIA

-.03

78 PAKISTAN

-.05

7 BELGIUM

-.08

103 U.S.S.R

-.11

113 YUGOSLAVIA

-.14

63 LIBYA

-.15

47 INDIA

-.16

24 COSTA RICA

-.19

17 CEYLON

-.33

26 CYPRUS

-.34

48 INDONESIA

-.35

42 GUINEA

-.35

43 HAITI

-.36

75 NIGER

-.38

13 CAMBODIA

-.38

79 PANAMA

-.39

126 MALAYSIA

-.39

36 GABON

-.39

111 SOUTH VIETNAM

-.40

35 FRANCE

-.45

105 UNITED KINGDOM

-.50

94 SWEDEN

-.52

125 GUYANA

-.56

101 TURKEY

-.56

21 COLOMBIA

-.57

92 SPAIN

-.57

124 SINGAPORE

-.58

53 ITALY

-.59

10 BULGARIA

-.62

31 ECUADOR

-.63

27 CZECHOSLOVAKIA

-.68

40 GREECE

-.69

81 PERU

-.70

15 CANADA

-.70

77 NORWAY

-.74

29 DENMARK

-.76

3 ALGERIA

-.78

25 CUBA

-.79

56 JAPAN

-.80

5 AUSTRALIA

-.81

76 NIGERIA

-.83

112 YEMEN

-.83

34 FINLAND

-.85

70 MOROCCO

-.86

59 SOUTH KOREA

-.87

87 SAUDI ARABIA

-.88

68 MEXICO

-.88

110 NORTH VIETNAM

-.90

82 PHILIPPINES

-.96

65 MALAGASY REP

-.98

127 MALDIVE ISLANDS

-1.00

97 THAILAND

-1.01

73 NEW ZEALAND

-1.02

62 LIBERIA

-1.14

106 UNITED STATES

-1.15

128 BARBADOS

-1.20

116 KUWAIT

-1.46

58 NORTH KOREA

-1.57

49 IRAN

-1.64

69 MONGOLIA

-1.65

52 ISRAEL

-1.68

67 MAURITANIA

-1.74

57 JORDAN

-1.75

96 SYRIA

-1.83

104 U.A.R.

-1.89

50 IRAQ

-2.03

61 LEBANON

-2.11

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LARGE POWER BASE

LARGE POPULATION GROWH RATE

SMALL CHRISTIAN COMMUNITY

MANY MILITARY PERSONEL PER CAPITA

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH

CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

05 SMALL POPULATION GROWTH RATE, BELOW
.77

02 POWER BASE, BELOW
.75

16 HIGH ENERGY PRODUCTION, BELOW
.70

08 RECENT NATIONAL INDEPENDENCE, BELOW
.59

THESE I'S ARE:

VARIABLE NUMBER 2

44 HONDURAS
3.78

74 NICARAGUA
3.69

41 GUATEMALA
3.64

30 DOMINICAN REPUBLIC
2.96

32 EL SALVADOR

2.90

61 LEBANON

1.64

116 KUWAIT

1.29

108 URUGUAY

1.27

50 IRAQ

1.27

24 COSTA RICA

1.19

48 INDONESIA

.97

52 ISRAEL

.89

87 SAUDI ARABIA

.89

14 CAMEROUN

.82

28 DAHOMEY

.82

46 ICELAND

.82

55 JAMAICA

.82

64 LUXEMBOURG

.82

66 MALI

.82

80 PARAGUAY

.82

99 TRINIDAD

.82

107 UPPER VOLTA

.82

114 BOTSWANA

.82

117 LESOTHO

.82

123 W. SAMOA

.82

60 LAOS

.77

73 NEW ZEALAND

.74

49 IRAN

.72

97 THAILAND

.70

96 SYRIA

.65

67 MAURITANIA

.64

62 LIBERIA

.63

86 RWANDA

.62

104 U.A.R.

.61

26 CYPRUS

.56

57 JORDAN

.51

82 PHILIPPINES

.45

68 MEXICO

.34

88 SENEGAL

.32

42 GUINEA

.31

58 NORTH KOREA

.30

8 BOLIVIA

.28

90 SOMALIA

.27

126 MALAYSIA

.23

69 MONGOLIA

.23

59 SOUTH KOREA

.21

111 SOUTH VIETNAM

.21

13 CAMBODIA

.16

25 CUBA

.12

21 COLOMBIA

.09

19 CHILE

.09

5 AUSTRALIA

.03

70 MOROCCO

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL POWER BASE

LARGE POPULATION GROWTH RATE

LONG NATIONAL INDEPENDENCE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH

CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

05 SMALL POPULATION GROWTH RATE, ABOVE
.77
02 POWER BASE, ABOVE
.75
16 HIGH ENERGY PRODUCTION, ABOVE
.70
08 RECENT NATIONAL INDEPENDENCE, ABOVE
.59

THESE I'S ARE:

81 PERU
-.00
79 PANAMA
-.00
65 MALAGASY REP
-.02
75 NIGER
-.03
36 GABON
-.05
43 HAITI

-.06

4 ARGENTINA

-.09

128 BARBADOS

-.09

125 GUYANA

-.13

118 MALAWI

-.14

18 CHAD

-.14

40 GREECE

-.15

31 ECUADOR

-.16

92 SPAIN

-.18

112 YEMEN

-.18

127 MALDIVE ISLANDS

-.21

119 MALTA

-.22

16 CENTRAL AFRICAN REP

-.24

3 ALGERIA

-.24

94 SWEDEN

-.25

101 TURKEY

-.26

22 CONGO (BRA)

-.26

54 IVORY COAST

-.27

10 BULGARIA

-.28

93 SUDAN

-.30

110 NORTH VIETNAM

-.31

29 DENMARK

-.34

34 FINLAND

-.39

12 BURUNDI

-.39

6 AUSTRIA

-.42

1 AFGHANISTAN

-.45

106 UNITED STATES

-.45

95 SWITZERLAND

-.47

100 TUNISIA

-.49

63 LIBYA

-.51

56 JAPAN

-.54

27 CZECHOSLOVAKIA

-.55

71 NEPAL

-.57

15 CANADA

-.59

53 ITALY

-.59

76 NIGERIA

-.61

11 BURMA

-.63

122 KENYA

-.63

109 VENEZUELA

-.66

2 ALBANIA

-.68

20 CHINA, PR

-.69

17 CEYLON

-.69

98 TOGO

-.76

103 U.S.S.R

-.77

47 INDIA

-.85

120 TANZANIA

-.86

91 SOUTH AFRICA

-.87

9 BRAZIL

-.94

7 BELGIUM

-.94

84 PORTUGAL

-.95

33 ETHIOPIA

-.96

78 PAKISTAN

-.97

124 SINGAPORE

-.97

77 NORWAY

-.98

38 WEST GERMANY

-1.00

83 POLAND

-1.03

102 UGANDA

-1.05

35 FRANCE

-1.07

105 UNITED KINGDOM

-1.14

23 CONGO (LEO)

-1.19

45 HUNGARY

-1.26

115 GAMBIA

-1.28

113 YUGOSLAVIA

-1.31

89 SIERRA LEONE

-1.31

72 NETHERLANDS

-1.34

121 ZAMBIA

-1.36

51 IRELAND

-1.48

85 ROMANIA

-1.54

39 GHANA

-1.60

37 EAST GERMANY

-1.65

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LARGE POWER BASE

SMALL POPULATION GROWTH RATE

RECENT NATIONAL INDEPENDENCE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

12 LARGE GNP GROWTH RATE, BELOW

.84

22 NEW CURRENCY, BELOW

.80

THESE I'S ARE:

VARIABLE NUMBER 3

120 TANZANIA
2.10
111 SOUTH VIETNAM
1.94
71 NEPAL
1.68
90 SOMALIA
1.66
60 LAOS
1.58
13 CAMBODIA
1.51
24 COSTA RICA
1.41
82 PHILIPPINES
1.36
121 ZAMBIA
1.34
17 CEYLON
1.33
95 SWITZERLAND
1.32

73 NEW ZEALAND
1.19
97 THAILAND
1.17
103 U.S.S.R
1.15
32 EL SALVADOR
1.11
48 INDONESIA
1.11
125 GUYANA
1.11
5 AUSTRALIA
1.10
68 MEXICO
1.10
110 NORTH VIETNAM
1.04
91 SOUTH AFRICA
1.02
88 SENEGAL
1.01
42 GUINEA
.99
75 NIGER
.98

43 HAITI

.98

79 PANAMA

.96

36 GABON

.95

74 NICARAGUA

.94

41 GUATEMALA

.93

95 SWEDEN

.91

58 NORTH KOREA

.90

59 SOUTH KOREA

.87

10 BULGARIA

.87

25 CUBA

.83

12 BURUNDI

.74

20 CHINA, PR

.74

92 SPAIN

.73

44 HONDURAS

.71

54 IVORY COAST

.66

9 BRAZIL

.63

56 JAPAN

.62

31 ECUADOR

.60

122 KENYA

.59

23 CONGO (LEO)

.55

83 POLAND

.51

39 GHANA

.46

72 NETHERLANDS

.44

2 ALBANIA

.39

81 PERU

.37

113 YUGOSLAVIA

.37

62 LIBERIA

.36

38 WEST GERMANY

.35

115 GAMBIA

.34

70 MOROCCO

.34

15 CANADA

.27

102 UGANDA

.23

1 AFGHANISTAN

.15

8 BOLIVIA

.13

112 YEMEN

.10

45 HUNGARY

.09

47 INDIA

.07

30 DOMINICAN REPUBLIC

.02

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT

LARGE POWER BASE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

12 LARGE GNP GROWTH RATE, ABOVE

.84

22 NEW CURRENCY, ABOVE

.80

THESE I'S ARE:

29 DENMARK

-.00

89 SIERRA LEONE

-.02

63 LIBYA

-.03

37 EAST GERMANY

-.05

49 IRAN

-.05

7 BELGIUM

-.06

76 NIGERIA

-.14

35 FRANCE

-.15

124 SINGAPORE

-.19

21 COLOMBIA

-.19

118 MALAWI

-.24

128 BARBADOS

-.25

53 ITALY

-.28

85 ROMANIA

-.30

84 PORTUGAL

-.30

105 UNITED KINGDOM

-.31

16 CENTRAL AFRICAN REP

-.35

86 RWANDA

-.38

19 CHILE

-.38

51 IRELAND

-.41

40 GREECE

-.49

4 ARGENTINA

-.53

93 SUDAN

-.54

104 U.A.R.

-.54

67 MAURITANIA

-.55

64 LUXEMBOURG

-.57

66 MALI

-.57

99 TRINIDAD

-.57

14 CAMEROUN

-.57

80 PARAGUAY

-.57

107 UPPER VOLTA

-.57

55 JAMAICA

-.57

114 BOTSWANA

-.57

117 LESOTHO

-.57

46 ICELAND

-.57

123 W. SAMOA

-.57

28 DAHOMEY

-.57

78 PAKISTAN

-.58

109 VENEZUELA

-.61

106 UNITED STATES

-.66

18 CHAD

-.69

27 CZECHOSLOVAKIA

-.73

6 AUSTRIA

-.87

126 MALAYSIA

-.89

52 ISRAEL

-.99

57 JORDAN

-1.00

116 KUWAIT

-1.01

3 ALGERIA

-1.03

87 SAUDI ARABIA

-1.04

11 BURMA

-1.10

108 URUGUAY

-1.11

98 TOGO

-1.14

34 FINLAND

-1.16

50 IRAQ

-1.17

101 TURKEY

-1.25

65 MALAGASY REP

-1.29

77 NORWAY

-1.30

61 LEBANON

-1.38

33 ETHIOPIA

-1.46

100 TUNISIA

-1.53

96 SYRIA

-1.54

127 MALDIVE ISLANDS

-1.64

69 MONGOLIA

-2.14

26 CYPRUS

-2.93

119 MALTA

-3.01

22 CONGO (BRA)

-3.22

THEY TEND TO HAVE THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT

SMALL POWER BASE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

20 LOW CRUDE DEATH RATE, BELOW
.77
18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE, BELOW
.73
21 LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION, ABOVE
.74

THESE I'S ARE:

VARIABLE NUMBER 4

93 SUDAN
2.84
100 TUNISIA
2.68
87 SAUDI ARABIA
2.63
89 SIERRA LEONE
2.27
116 KUWAIT
2.12
63 LIBYA
2.08
88 SENEGAL
2.07

115 GAMBIA

1.86

52 ISRAEL

1.66

112 YEMEN

1.64

33 ETHIOPIA

1.58

18 CHAD

1.36

61 LEBANON

1.22

91 SOUTH AFRICA

1.18

57 JORDAN

1.16

3 ALGERIA

1.12

51 IRELAND

1.06

9 BRAZIL

1.03

95 SWITZERLAND

.95

37 EAST GERMANY

.94

84 PORTUGAL

.94

50 IRAQ

.91

103 U.S.S.R

.71

96 SYRIA

.71

19 CHILE

.70

90 SOMALIA

.66

54 IVORY COAST

.64

70 MOROCCO

.59

38 WEST GERMANY

.59

40 GREECE

.56

128 BARBADOS

.55

36 GABON

.54

121 ZAMBIA

.53

65 MALAGASY REP

.53

43 HAITI

.52

75 NIGER

.50

79 PANAMA

.48

60 LAOS

.45

13 CAMBODIA

.44

92 SPAIN

.43

24 COSTA RICA

.42

53 ITALY

.41

49 IRAN

.39

76 NIGERIA

.38

39 GHANA

.36

30 DOMINICAN REPUBLIC

.35

86 RWANDA

.32

59 SOUTH KOREA

.30

111 SOUTH VIETNAM

.19

26 CYPRUS

.18

4 ARGENTINA

.16

104 U.A.R.

.16

1 AFGHANISTAN

.15

94 SWEDEN

.10

118 MALAWI

.09

113 YUGOSLAVIA

.07

31 ECUADOR

.04

101 TURKEY

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

MANY EXECUTIVE ADJUSTMENTS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

20 LOW CRUDE DEATH RATE, ABOVE
.77

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE, ABOVE
.73

21 LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION, BELOW
.74

THESE I'S ARE:

42 GUINEA
-.01

44 HONDURAS
-.04

83 POLAND
-.05

105 UNITED KINGDOM
-.09

35 FRANCE
-.15

68 MEXICO
-.16
102 UGANDA
-.18
32 EL SALVADOR
-.24
98 TOGO
-.25
15 CANADA
-.27
81 PERU
-.31
29 DENMARK
-.32
66 MALI
-.32
28 DAHOMEY
-.32
80 PARAGUAY
-.32
14 CAMEROUN
-.32
46 ICELAND
-.32
99 TRINIDAD
-.32

107 UPPER VOLTA
-.32
114 BOTSWANA
-.32
117 LESOTHO
-.32
55 JAMAICA
-.32
123 W. SAMOA
-.32
64 LUXEMBOURG
-.32
5 AUSTRALIA
-.33
74 NICARAGUA
-.34
41 GUATEMALA
-.35
62 LIBERIA
-.40
45 HUNGARY
-.43
8 BOLIVIA
-.43
6 AUSTRIA
-.47

110 NORTH VIETNAM
-.48
56 JAPAN
-.49
82 PHILIPPINES
-.49
20 CHINA, PR
-.50
67 MAURITANIA
-.53
7 BELGIUM
-.55
120 TANZANIA
-.56
47 INDIA
-.57
97 THAILAND
-.61
108 URUGUAY
-.63
78 PAKISTAN
-.71
124 SINGAPORE
-.71
11 BURMA
-.72

85 ROMANIA

-.73

25 CUBA

-.74

72 NETHERLANDS

-.78

23 CONGO (LEO)

-.80

17 CEYLON

-.82

119 MALTA

-.86

73 NEW ZEALAND

-.92

77 NORWAY

-.94

22 CONGO (BRA)

-.97

21 COLOMBIA

-.98

48 INDONESIA

-1.03

125 GUYANA

-1.06

122 KENYA

-1.07

10 BULGARIA
-1.20
109 VENEZUELA
-1.23
2 ALBANIA
-1.30
106 UNITED STATES
-1.34
58 NORTH KOREA
-1.35
16 CENTRAL AFRICAN REP
-1.36
27 CZECHOSLOVAKIA
-1.61
71 NEPAL
-1.62
126 MALAYSIA
-1.62
12 BURUNDI
-1.71
127 MALDIVE ISLANDS
-2.29
34 FINLAND
-2.40
69 MONGOLIA
-2.48

THEY TEND TO HAVE THE CHARACTERISTICS OF:
FEW EXECUTIVE ADJUSTMENTS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH
CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

17 MANY ELECTIONS, BELOW
.77
15 HIGH PER CAPITA INTERNAL SECURITY FORCE, BELOW
.51
10 LARGE GNP GROWTH RATE AT FIXED PRICES, ABOVE
.63

THESE I'S ARE:

VARIABLE NUMBER 5

86 RWANDA
2.78
126 MALAYSIA
2.75
12 BURUNDI
2.41

65 MALAGASY REP
2.08
124 SINGAPORE
2.03
42 GUINEA
1.48
67 MAURITANIA
1.45
98 TOGO
1.42
18 CHAD
1.36
104 U.A.R.
1.28
102 UGANDA
1.27
69 MONGOLIA
1.26
128 BARBADOS
1.23
89 SIERRA LEONE
1.19
57 JORDAN
1.16
16 CENTRAL AFRICAN REP
1.13

63 LIBYA
1.02
39 GHANA
1.02
54 IVORY COAST
1.00
7 BELGIUM
.92
61 LEBANON
.89
125 GUYANA
.87
23 CONGO (LEO)
.87
95 SWITZERLAND
.83
35 FRANCE
.81
32 EL SALVADOR
.80
76 NIGERIA
.77
115 GAMBIA
.74
121 ZAMBIA
.74

122 KENYA

.73

37 EAST GERMANY

.73

96 SYRIA

.69

34 FINLAND

.57

105 UNITED KINGDOM

.50

72 NETHERLANDS

.49

49 IRAN

.47

120 TANZANIA

.45

48 INDONESIA

.44

127 MALDIVE ISLANDS

.41

112 YEMEN

.41

41 GUATEMALA

.41

50 IRAQ

.38

74 NICARAGUA

.36

71 NEPAL

.27

46 ICELAND

.23

55 JAMAICA

.23

64 LUXEMBOURG

.23

66 MALI

.23

80 PARAGUAY

.23

14 CAMEROUN

.23

99 TRINIDAD

.23

107 UPPER VOLTA

.23

114 BOTSWANA

.23

28 DAHOMEY

.23

117 LESOTHO

.23

123 W. SAMOA

.23

3 ALGERIA

.22

68 MEXICO

.21

51 IRELAND

.21

15 CANADA

.19

78 PAKISTAN

.19

44 HONDURAS

.15

33 ETHIOPIA

.09

27 CZECHOSLOVAKIA

.08

88 SENEGAL

.05

9 BRAZIL

.03

THEY TEND TO HAVE THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

17 MANY ELECTIONS, ABOVE
.77

15 HIGH PER CAPITA INTERNAL SECURITY FORCE, ABOVE
.51

10 LARGE GNP GROWTH RATE AT FIXED PRICES, BELOW
.63

THESE I'S ARE:

110 NORTH VIETNAM
-.04

45 HUNGARY
-.05

52 ISRAEL
-.06

116 KUWAIT
-.07

21 COLOMBIA
-.09

56 JAPAN
-.11

4 ARGENTINA

-.11

84 PORTUGAL

-.12

24 COSTA RICA

-.16

31 ECUADOR

-.17

81 PERU

-.22

5 AUSTRALIA

-.23

36 GABON

-.23

75 NIGER

-.25

43 HAITI

-.26

79 PANAMA

-.27

73 NEW ZEALAND

-.27

10 BULGARIA

-.34

92 SPAIN

-.34

106 UNITED STATES
-.36
58 NORTH KOREA
-.37
94 SWEDEN
-.41
118 MALAWI
-.41
82 PHILIPPINES
-.41
91 SOUTH AFRICA
-.44
85 ROMANIA
-.45
11 BURMA
-.48
93 SUDAN
-.49
97 THAILAND
-.51
87 SAUDI ARABIA
-.59
38 WEST GERMANY
-.63
59 SOUTH KOREA
-.65

17 CEYLON
-.66
83 POLAND
-.68
47 INDIA
-.73
53 ITALY
-.74
8 BOLIVIA
-.75
70 MOROCCO
-.75
13 CAMBODIA
-.78
19 CHILE
-.94
40 GREECE
-1.03
103 U.S.S.R
-1.05
29 DENMARK
-1.06
25 CUBA
-1.06
77 NORWAY
-1.09

62 LIBERIA
-1.11
90 SOMALIA
-1.13
1 AFGHANISTAN
-1.14
113 YUGOSLAVIA
-1.14
6 AUSTRIA
-1.19
101 TURKEY
-1.28
100 TUNISIA
-1.31
111 SOUTH VIETNAM
-1.37
60 LAOS
-1.51
26 CYPRUS
-1.63
30 DOMINICAN REPUBLIC
-1.77
108 URUGUAY
-1.88
22 CONGO (BRA)
-1.97

109 VENEZUELA
-2.13
119 MALTA
-2.19
20 CHINA, PR
-2.26
2 ALBANIA
-3.10

THEY TEND TO HAVE THE CHARACTERISTICS OF:
LONG NATIONAL INDEPENDENCE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

06 SMALL POPULATION DENSITY, BELOW
.80

THESE I'S ARE:

VARIABLE NUMBER 6

20 CHINA, PR
2.50

2 ALBANIA

2.03

17 CEYLON

1.98

106 UNITED STATES

1.85

62 LIBERIA

1.78

11 BURMA

1.77

97 THAILAND

1.73

88 SENEGAL

1.69

71 NEPAL

1.67

3 ALGERIA

1.55

60 LAOS

1.55

48 INDONESIA

1.53

82 PHILIPPINES

1.50

73 NEW ZEALAND

1.43

12 BURUNDI
1.24
58 NORTH KOREA
1.14
87 SAUDI ARABIA
1.13
103 U.S.S.R
1.12
100 TUNISIA
.92
96 SYRIA
.87
86 RWANDA
.86
50 IRAQ
.83
78 PAKISTAN
.81
116 KUWAIT
.80
51 IRELAND
.76
93 SUDAN
.72
5 AUSTRALIA
.71

26 CYPRUS
.64
72 NETHERLANDS
.64
65 MALAGASY REP
.62
37 EAST GERMANY
.62
90 SOMALIA
.59
120 TANZANIA
.58
46 ICELAND
.56
55 JAMAICA
.56
64 LUXEMBOURG
.56
66 MALI
.56
14 CAMEROUN
.56
80 PARAGUAY
.56
28 DAHOMEY
.56

99 TRINIDAD

.56

107 UPPER VOLTA

.56

114 BOTSWANA

.56

117 LESOTHO

.56

123 W. SAMOA

.56

111 SOUTH VIETNAM

.53

124 SINGAPORE

.52

126 MALAYSIA

.51

42 GUINEA

.51

95 SWITZERLAND

.50

85 ROMANIA

.49

122 KENYA

.47

102 UGANDA

.44

61 LEBANON
.42
22 CONGO (BRA)
.42
1 AFGHANISTAN
.34
98 TOGO
.33
47 INDIA
.21
32 EL SALVADOR
.20
121 ZAMBIA
.19
57 JORDAN
.18
52 ISRAEL
.18
59 SOUTH KOREA
.17
63 LIBYA
.15
33 ETHIOPIA
.03
113 YUGOSLAVIA
.02

49 IRAN

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNTIY

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

06 SMALL POPULATION DENSITY, ABOVE

.80

THESE I'S ARE:

70 MOROCCO

-.07

119 MALTA

-.08

105 UNITED KINGDOM

-.20

89 SIERRA LEONE

-.21

104 U.A.R.

-.22

84 PORTUGAL

-.22

112 YEMEN

-.31

115 GAMBIA

-.36

10 BULGARIA

-.39

110 NORTH VIETNAM

-.39

128 BARBADOS

-.40

67 MAURITANIA

-.40

83 POLAND

-.41

18 CHAD

-.41

69 MONGOLIA

-.43

13 CAMBODIA

-.44

16 CENTRAL AFRICAN REP

-.50

38 WEST GERMANY

-.51

101 TURKEY

-.58

44 HONDURAS

-.60

39 GHANA

-.61

91 SOUTH AFRICA

-.61

34 FINLAND

-.63

25 CUBA

-.63

77 NORWAY

-.67

41 GUATEMALA

-.69

27 CZECHOSLOVAKIA

-.69

74 NICARAGUA

-.76

45 HUNGARY

-.77

56 JAPAN

-.78

35 FRANCE

-.78

7 BELGIUM

-.78

40 GREECE

-.80

94 SWEDEN

-.85

127 MALDIVE ISLANDS

-.86

53 ITALY

-.86

9 BRAZIL

-.87

76 NIGERIA

-.91

15 CANADA

-1.05

109 VENEZUELA

-1.07

6 AUSTRIA

-1.10

29 DENMARK

-1.11

92 SPAIN

-1.12

125 GUYANA

-1.14

23 CONGO (LEO)

-1.15

68 MEXICO

-1.19

79 PANAMA

-1.25

118 MALAWI

-1.25

43 HAITI

-1.26

75 NIGER

-1.27

36 GABON

-1.29

108 URUGUAY

-1.42

31 ECUADOR

-1.43

54 IVORY COAST

-1.48

24 COSTA RICA

-1.64

8 BOLIVIA

-1.70

30 DOMINICAN REPUBLIC

-1.78

81 PERU

-1.86

19 CHILE

-2.01

21 COLOMBIA

-2.18

4 ARGENTINA

-2.29

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP, BELOW

.71

09 LITTLE DOMESTIC VIOLENCE, ABOVE

.59

04 NON-COMPETITIVE POLITICAL SYSTEM, ABOVE

.61

THESE I'S ARE:

VARIABLE NUMBER 7

2 ALBANIA

2.36

27 CZECHOSLOVAKIA

2.06

10 BULGARIA

1.93

22 CONGO (BRA)

1.80

34 FINLAND

1.72

93 SUDAN

1.63

127 MALDIVE ISLANDS

1.63

58 NORTH KOREA

1.48

86 RWANDA

1.35

45 HUNGARY

1.30

12 BURUNDI

1.30

37 EAST GERMANY

1.21

90 SOMALIA

1.21

85 ROMANIA

1.20

50 IRAQ

1.15

25 CUBA

1.08

125 GUYANA

1.02

83 POLAND

.98

87 SAUDI ARABIA

.93

96 SYRIA

.91

103 U.S.S.R

.88

20 CHINA, PR

.85

89 SIERRA LEONE

.84

39 GHANA

.82

116 KUWAIT

.80

112 YEMEN

.77

74 NICARAGUA

.77

41 GUATEMALA

.75

69 MONGOLIA

.74

100 TUNISIA

.71

95 SWITZERLAND

.71

44 HONDURAS

.70

35 FRANCE

.70

3 ALGERIA

.62

120 TANZANIA

.62

6 AUSTRIA

.53

119 MALTA

.51

29 DENMARK

.51

52 ISRAEL

.50

61 LEBANON

.49

7 BELGIUM

.45

54 IVORY COAST

.42

38 WEST GERMANY

.41

110 NORTH VIETNAM

.41

71 NEPAL

.39

92 SPAIN

.36

23 CONGO (LEO)

.35

104 U.A.R.

.34

111 SOUTH VIETNAM

.34

60 LAOS

.33

57 JORDAN

.33

77 NORWAY

.31

33 ETHIOPIA

.30

21 COLOMBIA

.29

18 CHAD

.28

30 DOMINICAN REPUBLIC

.25

68 MEXICO

.22

32 EL SALVADOR

.17

121 ZAMBIA

.17

102 UGANDA

.16

88 SENEGAL

.16

113 YUGOSLAVIA

.12

109 VENEZUELA

.09

56 JAPAN

.06

122 KENYA

```
.03
   66  MALI
.02
   80  PARAGUAY
.02
   55  JAMAICA
.02
   14  CAMEROUN
.02
   46  ICELAND
.02
   99  TRINIDAD
.02
   64  LUXEMBOURG
.02
  107  UPPER VOLTA
.02
  114  BOTSWANA
.02
  117  LESOTHO
.02
  123  W. SAMOA
.02
   28  DAHOMEY
.02
   94  SWEDEN
```

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:
NON COMPEPITIVE POLITICAL SYSTEMS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP, ABOVE
.71
09 LITTLE DOMESTIC VIOLENCE, BELOW
.59
04 NON-COMPETITIVE POLITICAL SYSTEM, BELOW
.61

THESE I'S ARE:

70 MOROCCO
-.04
91 SOUTH AFRICA
-.08
81 PERU
-.10
31 ECUADOR
-.13
24 COSTA RICA

-.17

13 CAMBODIA

-.19

76 NIGERIA

-.20

9 BRAZIL

-.21

17 CEYLON

-.22

105 UNITED KINGDOM

-.23

115 GAMBIA

-.24

15 CANADA

-.25

106 UNITED STATES

-.34

49 IRAN

-.40

53 ITALY

-.43

42 GUINEA

-.47

75 NIGER

-.47

79 PANAMA

-.48

63 LIBYA

-.48

43 HAITI

-.49

36 GABON

-.50

16 CENTRAL AFRICAN REP

-.50

98 TOGO

-.59

72 NETHERLANDS

-.84

40 GREECE

-.91

65 MALAGASY REP

-1.04

128 BARBADOS

-1.07

84 PORTUGAL

-1.14

59 SOUTH KOREA

-1.19

73 NEW ZEALAND

-1.19

19 CHILE

-1.26

62 LIBERIA

-1.38

108 URUGUAY

-1.39

118 MALAWI

-1.44

124 SINGAPORE

-1.47

47 INDIA

-1.47

48 INDONESIA

-1.54

67 MAURITANIA

-1.56

78 PAKISTAN

-1.59

126 MALAYSIA

-1.61

82 PHILIPPINES

-1.65

101 TURKEY

-1.68

8 BOLIVIA

-1.71

4 ARGENTINA

-1.73

5 AUSTRALIA

-1.76

51 IRELAND

-1.82

97 THAILAND

-2.05

26 CYPRUS

-2.06

1 AFGHANISTAN

-2.24

11 BURMA

-3.04

THEY TEND TO HAVE THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEMS